

I claim:

21. A one-piece disposable dental articulator comprising:

- a. a body member;
- b. an upper member;
- c. an upper hinge;
- d. a lower member and
- e. a lower hinge.

22. A one-piece disposable dental articulator according to claim 21 further comprising:

- a. an upper body retention means for securing an upper articulated model;
- b. a lower body retention means for securing a lower articulated model;
- c. an upper member retention means for securing an upper articulated model; and
- d. a lower member retention means for securing a lower articulated model.


23. A one-piece disposable dental articulator according to claim 22 whereby said one-piece disposable dental articulator is made in one-piece.

24. A one-piece disposable dental articulator according to claim 23 whereby said one-piece disposable dental articulator is stamped perpendicular to the vertical length of the one-piece disposable dental articulator at the upper and lower quadrants between said body member and said upper member to form said upper hinge and between said body member and said lower member to form said lower hinge thereby allowing free radial motion about the axis of said upper hinge and said lower hinge.

25. A one-piece disposable dental articulator according to claim 24 whereby said one-piece disposable dental articulator is sufficiently resilient to allow for transverse motion along the vertical axis of the body member when sufficient force is applied in the direction of the desired motion to allow for sufficient lateral and protrusive translatory motions and to simulate occlusal and masticatory motions.

26. A one-piece disposable dental articulator according to claim 25 whereby a plurality of alternative configurations for articulating models is possible.

27. A one-piece disposable dental articulator according to claim 26 selected from the group consisting of using said upper hinge by breaching the connection at the upper body retention holes to allow free movement of the upper hinge and using said



1 lower hinge by breaching the connection at the lower body retention holes to allow
2 free movement of the lower hinge.

3 28. A one-piece disposable dental articulator according to claim 26 selected from the
4 group consisting of

5 a. said upper member and said lower member are extended approximately
6 perpendicular to said body member;

7 b. said upper member is folded flush against said body member;

8 c. said lower member is folded flush against said body member;

9 d. said upper member and said lower member are folded flush against said
10 body member.

11 29. A one-piece disposable dental articulator according to claim 28 comprising a
12 passive vertical stop whereby said upper articulated model or said lower articulated
13 model comes to rest flush against the body member preventing further movement
14 along the axis of said upper hinge or said lower hinge in the direction of the body
15 member.

16 30. A one-piece disposable dental articulator according to claim 29 whereby said one-
17 piece disposable dental articulator comprises an adjustable vertical stop selected
18 from the group consisting of an upper screw and a lower screw.

19 31. A one-piece disposable dental articulator according to claim 29 whereby said one-
20 piece disposable dental articulator comprises at least one mounting plate.

21 32. A one-piece disposable dental articulator according to claim 31 whereby said at
22 least one mounting plate is selected from the group consisting said at least one
23 mounting plate comprising short retention pins and said at least one mounting plate
24 comprising long retention pins.

25 33. A one-piece disposable dental articulator according to claim 31 whereby said at
26 least one mounting plate comprise a retention grid.

27 34. A one-piece disposable dental articulator according to claim 31 whereby a plurality
28 of alternative configurations for articulating models are possible using said at least
29 one mounting plate.

30 35. A one-piece disposable dental articulator according to claim 34 selected from the
31 group consisting of

- a. said at least one mounting plate is fixed on said upper member retention means and said lower member retention means whereby said upper member and said lower member are extended approximately perpendicular to said body member,
- b. said at least one mounting plate is fixed on said upper member retention means whereby said upper member and said lower member are extended approximately perpendicular to said body member,
- c. said at least one mounting plate fixed on said lower member retention means whereby said upper member and said lower member are extended approximately perpendicular to said body member,
- e. said at least one mounting plate is fixed on said upper body retention means whereby said upper member and said lower member are extended approximately perpendicular to said body member,
- f. said at least one mounting plate is fixed on said lower body retention means whereby said upper member and said lower member are extended approximately perpendicular to said body member,
- g. said at least one mounting plate is fixed on the outside surface of said upper member folded flush against said body member,
- h. said at least one mounting plate is fixed on the outside surface of said lower member folded flush against said body member, and
- i. said at least one mounting plate is fixed on the outside surface of said upper member folded flush against said body member and said lower member folded flush against said body member.

36. A one-piece disposable dental articulator according to claim 25 made of a material selected from the group consisting of metal, plastic, composite, metal with stamped hinges, plastic with stamped hinges, composite with stamped hinges, metal with conventional hinges, plastic with conventional hinges and composite with conventional hinges.

37. A one-piece disposable dental articulator comprising:

- a. an "L" shaped lower body member,
- b. an upper member,
- c. an upper hinge

- 1 38. A one-piece disposable dental articulator according to claim 37 comprising:
2 a. an upper member retention means for securing an upper articulated model;
3 b. an upper body retention means for securing an upper articulated model;
4 c. a vertical lower body retention means for securing a lower articulated model;
5 d. a horizontal lower body retention means for securing a lower articulated model;
6 and
7 e. an upper screw.
- 8 39. A one-piece disposable dental articulator according to claim 38 whereby said one-
9 piece disposable dental articulator is stamped perpendicular to the vertical length of
10 the one-piece disposable dental articulator at the upper quadrant between said "L"
11 shaped lower body member and said upper member to form said upper hinge
12 thereby allowing free radial motion about the axis of said upper hinge.
- 13 40. A one-piece disposable dental articulator according to claim 39 whereby said one-
14 piece disposable dental articulator is sufficiently resilient to allow for transverse
15 motion along the vertical axis of said "L" shaped lower body member when
16 sufficient force is applied in the direction of the desired motion to allow for
17 sufficient lateral and protrusive translatory motions and to simulate occlusal and
18 masticatory motions.